

INVENTOR(S): Brian Maxson et al.
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Attorney K. Roberts (949) 567-6700
Exp Mail No. EV 339737510 US

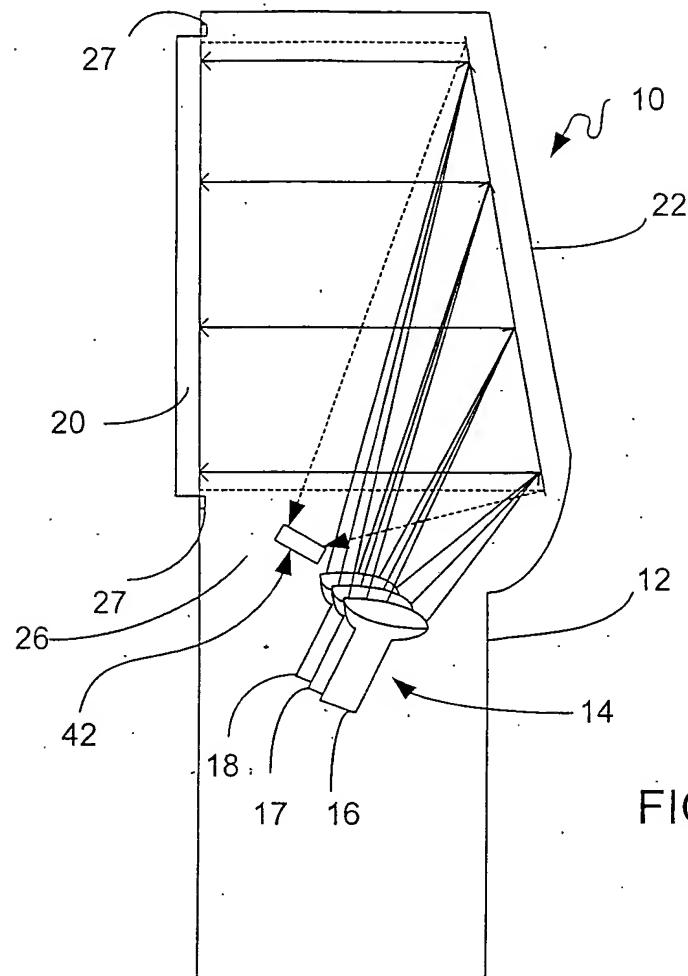


FIG. 1

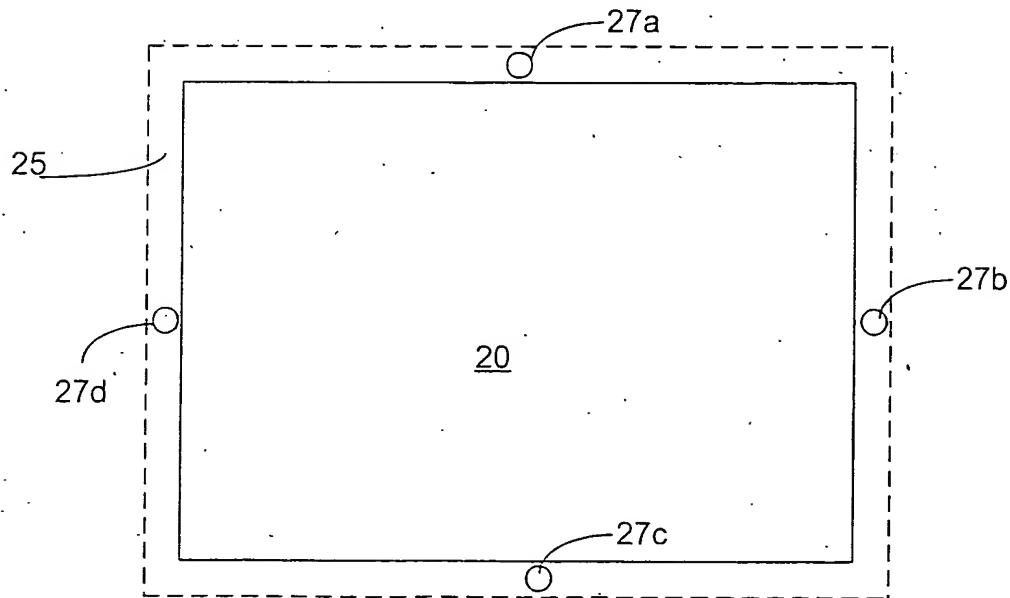


FIG. 2

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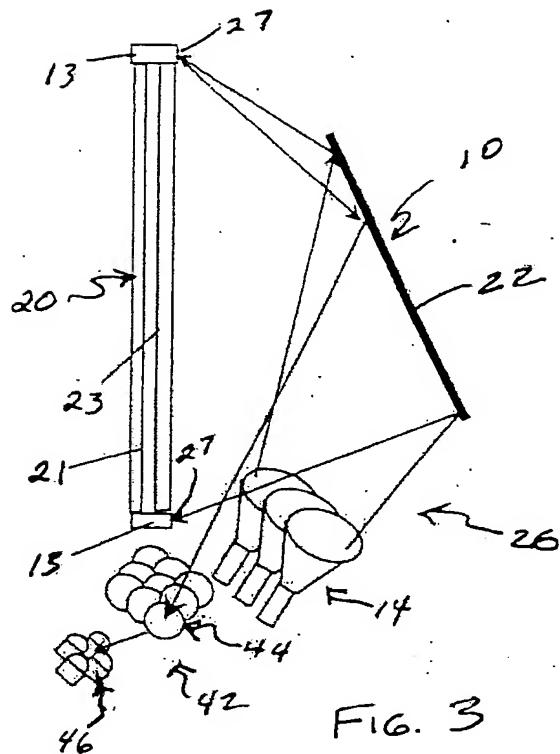


Fig. 3

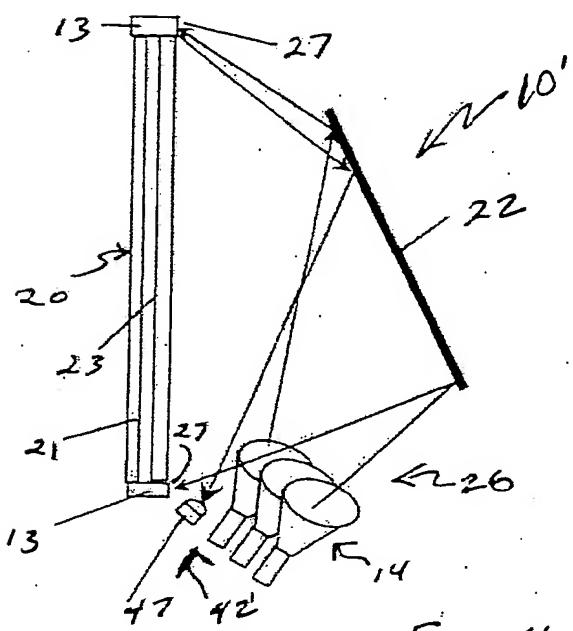


Fig. 4.

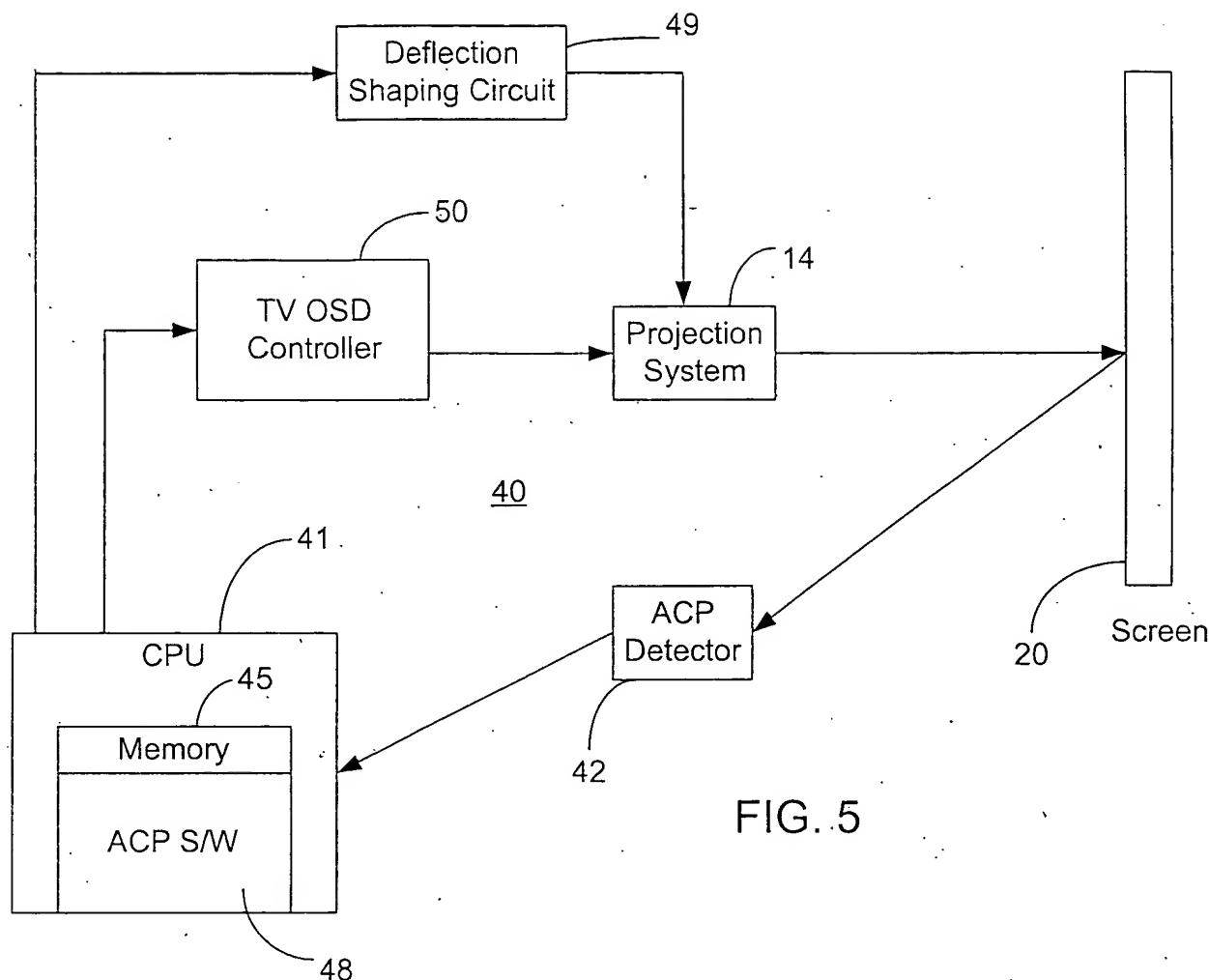


FIG. 5

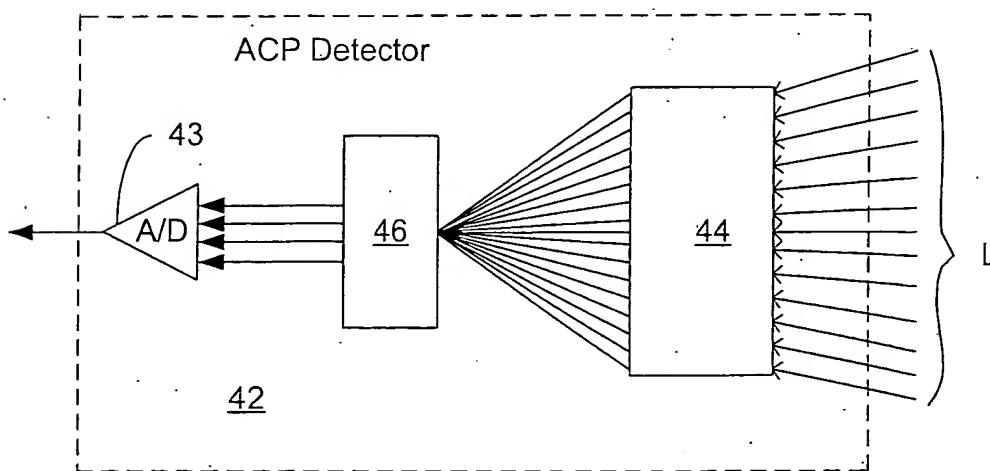


FIG. 6

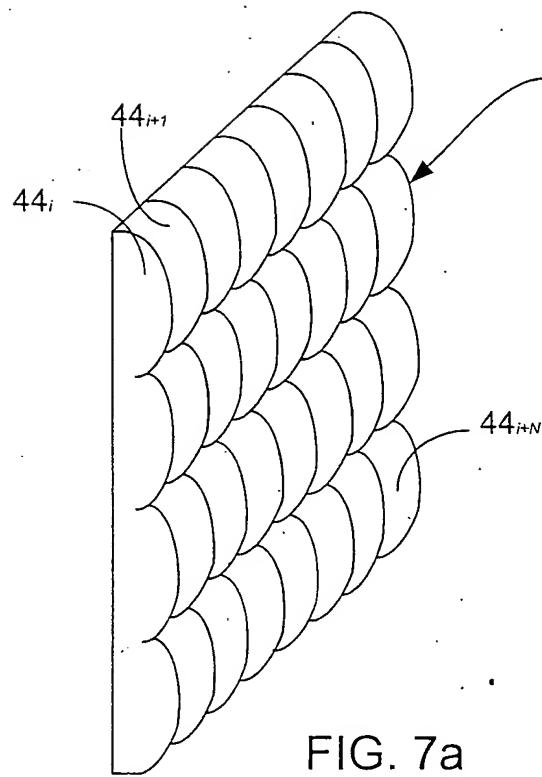


FIG. 7a

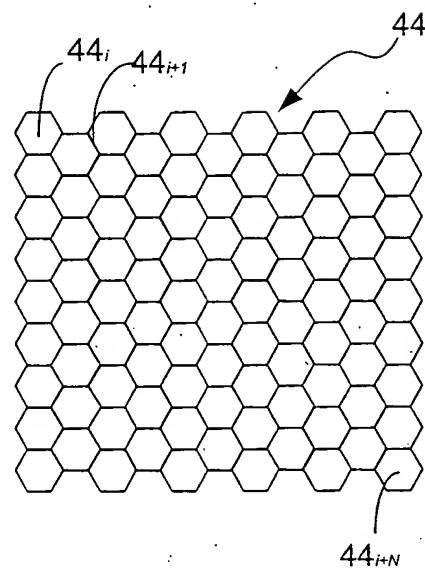


FIG. 7b

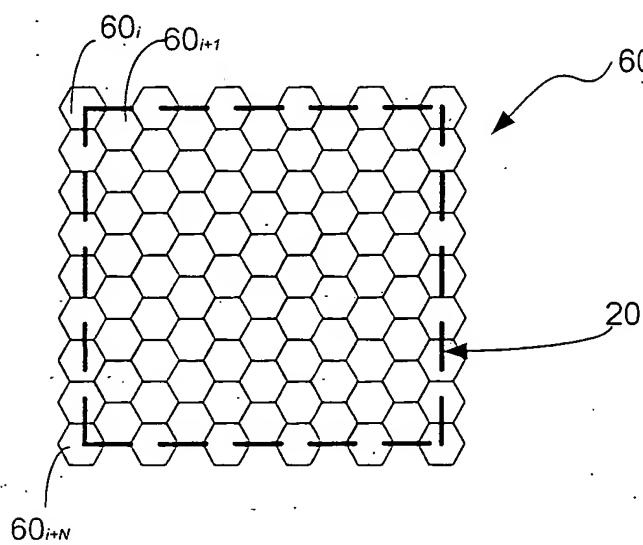


FIG. 8

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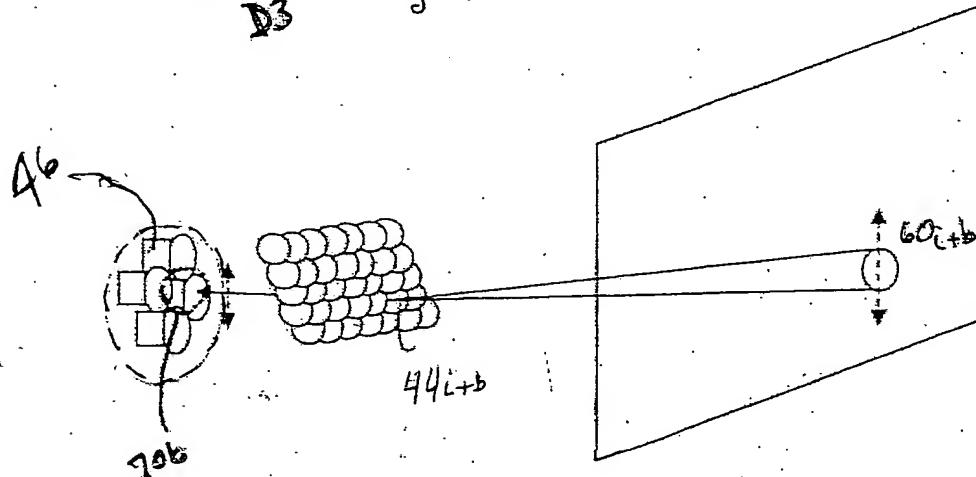
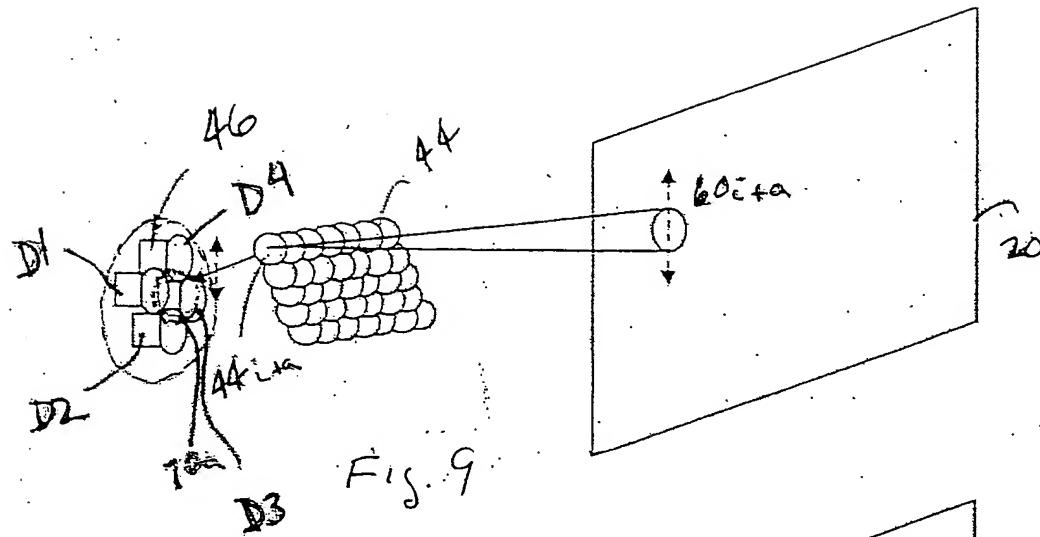


Fig. 10

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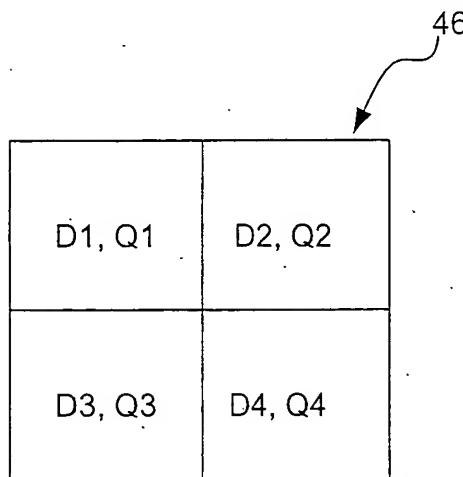


FIG. 11

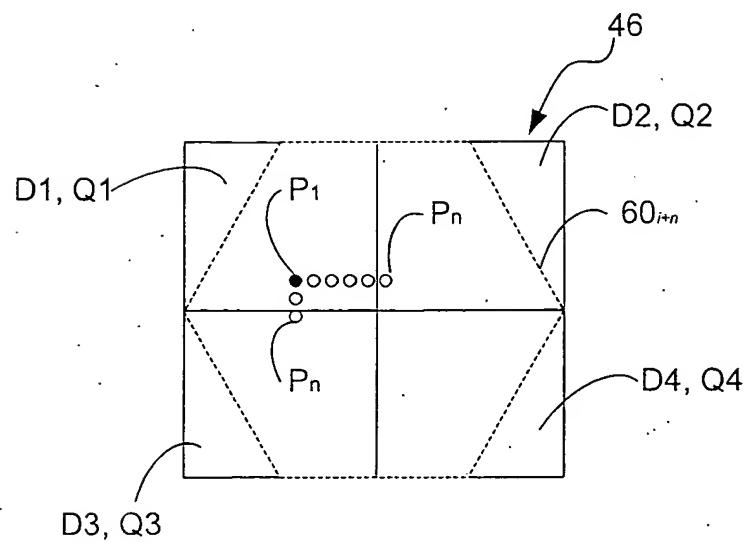


FIG. 12

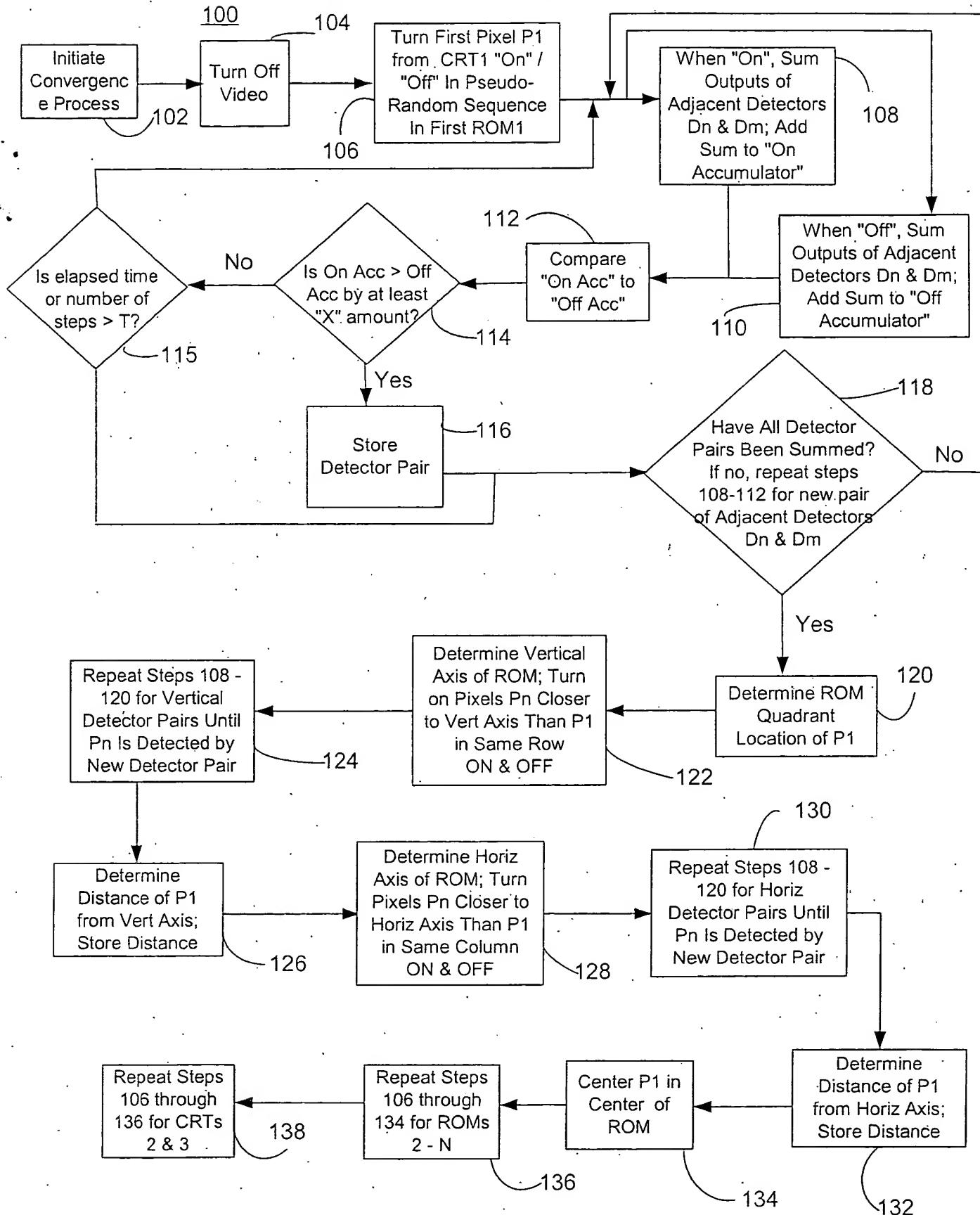


FIG. 13

200

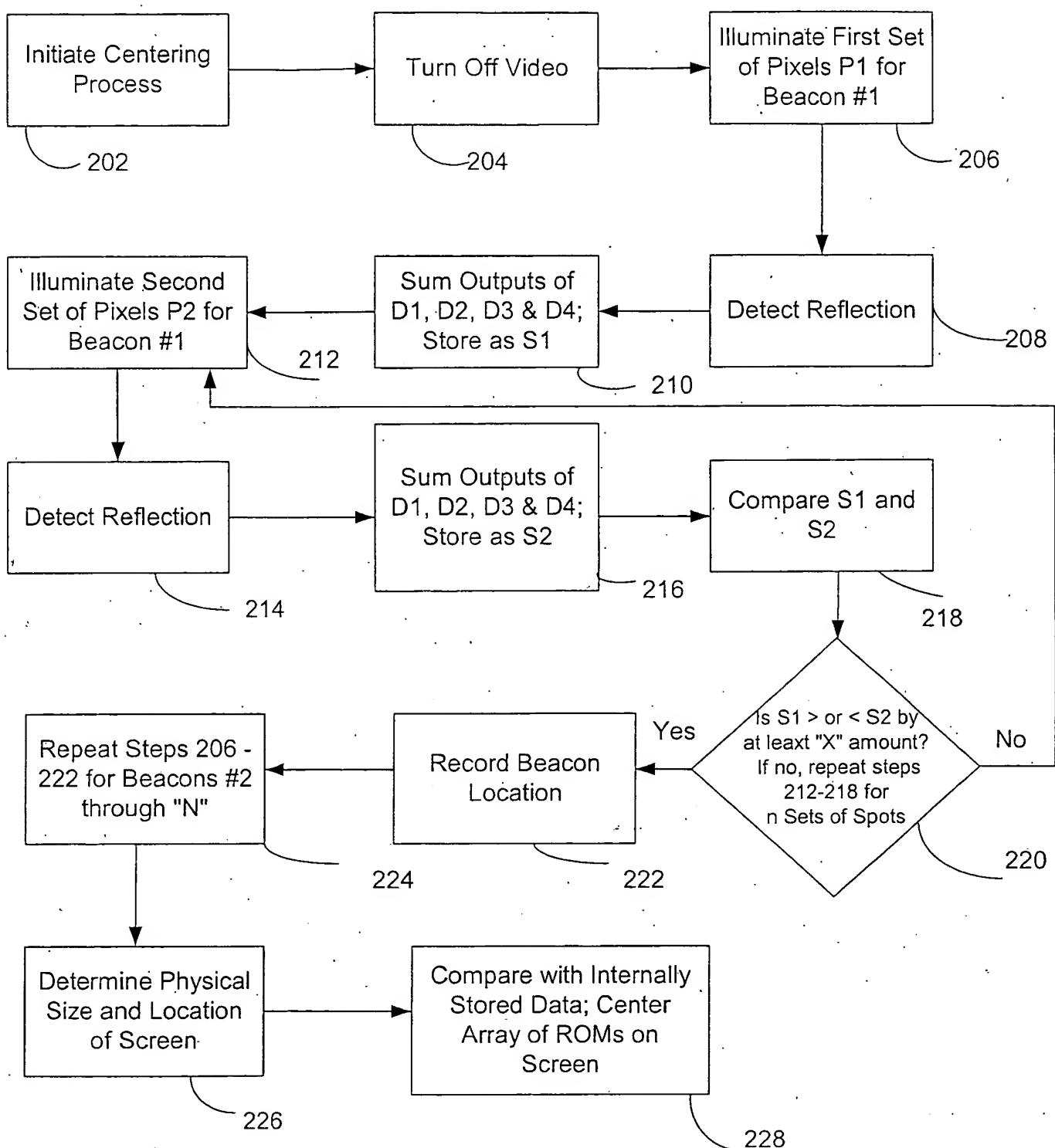


FIG. 14

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| | D1/D2 | D1/D3 | D2/D4 | D3/D4 |
|-----|---------|---------|--------|--------|
| ON | ON_ACC | ON_ACC | ON_ACC | ON_ACC |
| OFF | <ON_ACC | <ON_ACC | ON_ACC | ON_ACC |

FIG. 15a

Located On Single
 Detector, D1

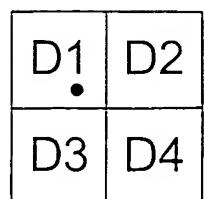


FIG. 15b

| | D1/D2 | D1/D3 | D2/D4 | D3/D4 |
|-----|---------|---------|---------|--------|
| ON | ON_ACC | ON_ACC | ON_ACC | ON_ACC |
| OFF | <ON_ACC | <ON_ACC | <ON_ACC | ON_ACC |

FIG. 16a

Centered Horiz
 Btwn D1 & D2
 Along Vert Axis

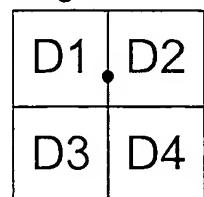


FIG. 16b

| | D1/D2 | D1/D3 | D2/D4 | D3/D4 |
|-----|---------|---------|--------|---------|
| ON | ON_ACC | ON_ACC | ON_ACC | ON_ACC |
| OFF | <ON_ACC | <ON_ACC | ON_ACC | <ON_ACC |

FIG. 17a

Centered Vert
 Btwn D1 & D3
 Along Horiz Axis

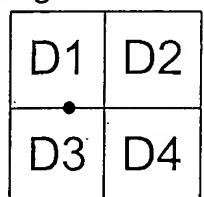


FIG. 17b

| | D1/D2 | D1/D3 | D2/D4 | D3/D4 |
|-----|---------|---------|---------|---------|
| ON | ON_ACC | ON_ACC | ON_ACC | ON_ACC |
| OFF | <ON_ACC | <ON_ACC | <ON_ACC | <ON_ACC |

FIG. 18a

Centered Vert &
 Horiz

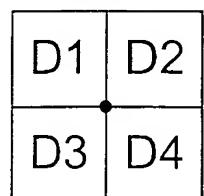


FIG. 18b

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| | | Vert Axis | | Horiz Axis | |
|----|-----|-----------|---------|------------|---------|
| | | D1/D3 | D2/D4 | D1/D2 | D3/D4 |
| P1 | ON | ON_ACC | ON_ACC | ON_ACC | ON_ACC |
| | OFF | <ON_ACC | ON_ACC | <ON_ACC | ON_ACC |
| P2 | ON | ON_ACC | ON_ACC | ON_ACC | ON_ACC |
| | OFF | <ON_ACC | ON_ACC | <ON_ACC | ON_ACC |
| Pn | ON | ON_ACC | ON_ACC | ON_ACC | ON_ACC |
| | OFF | ON_ACC | <ON_ACC | ON_ACC | <ON_ACC |

FIG. 19a

Find Vert Axis,
 Horiz Scan

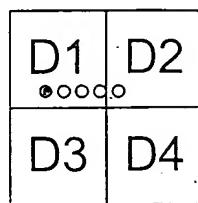


FIG. 20a

Find Horiz Axis,
 Vert Scan

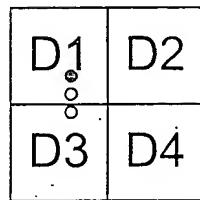


FIG. 20b

| | | Vert Axis | | Horiz Axis | |
|----|----|------------------|------------------|------------------|------------------|
| | | D1/D3 | D2/D4 | D1/D2 | D3/D4 |
| ON | P1 | SumP1 | SumP1 | SumP1 | SumP1 |
| ON | P2 | SumP2 = SumP1 | SumP2 = SumP1 | SumP2 = SumP1 | SumP2 = SumP1 |
| ON | Pn | SumPn < SumP1 | SumPn > SumP1 | SumPn < SumP1 | SumPn > SumP1 |

FIG. 19b

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FIG. 21a

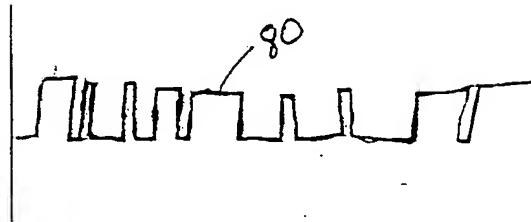


FIG. 21b

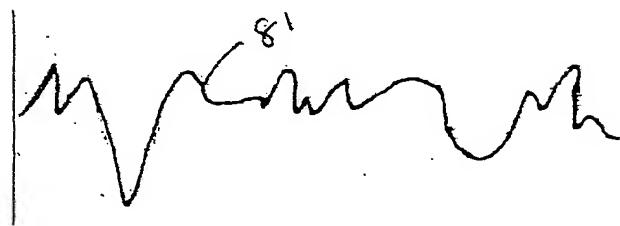


FIG. 21c

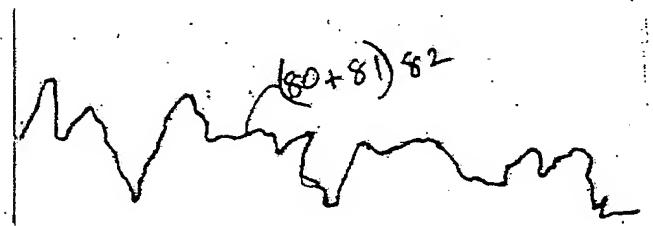


FIG. 21d

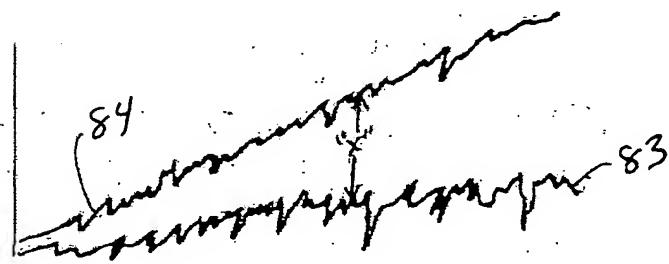
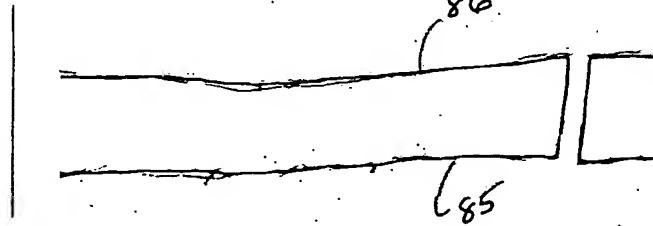


FIG. 21



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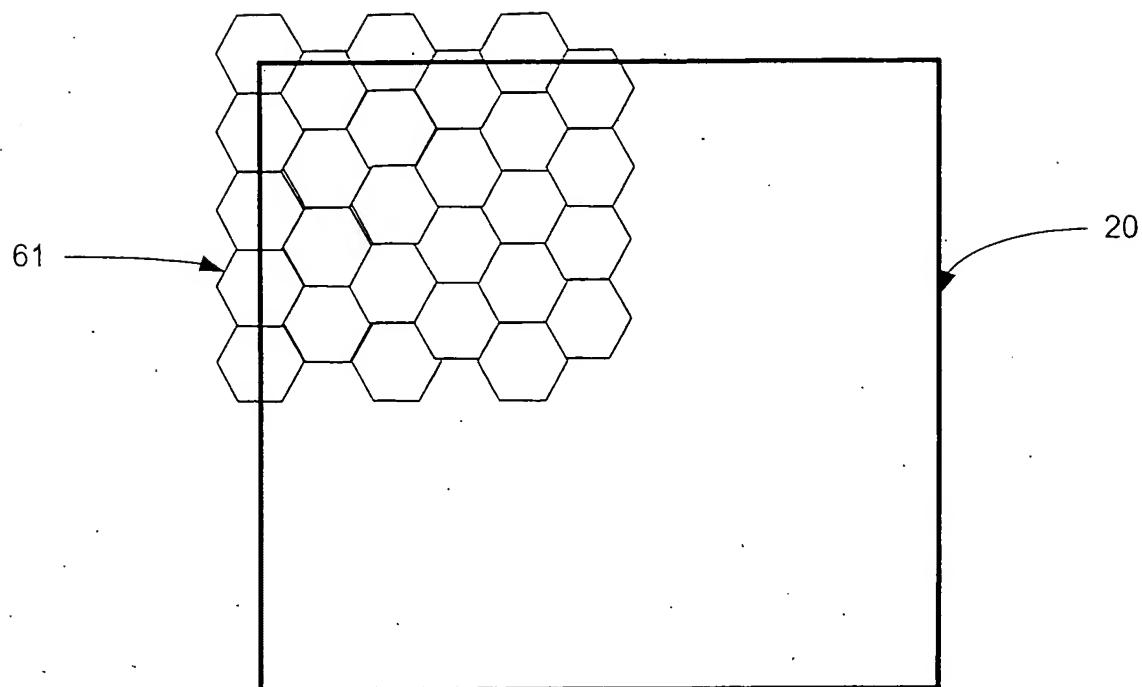


FIG. 22a

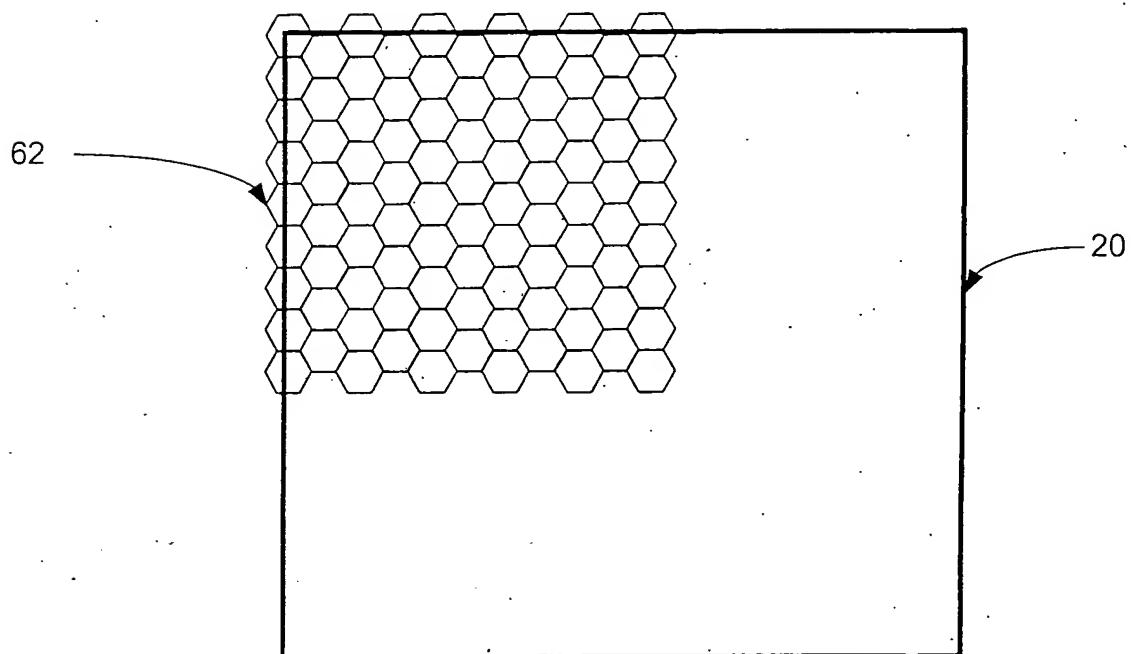


FIG. 22b

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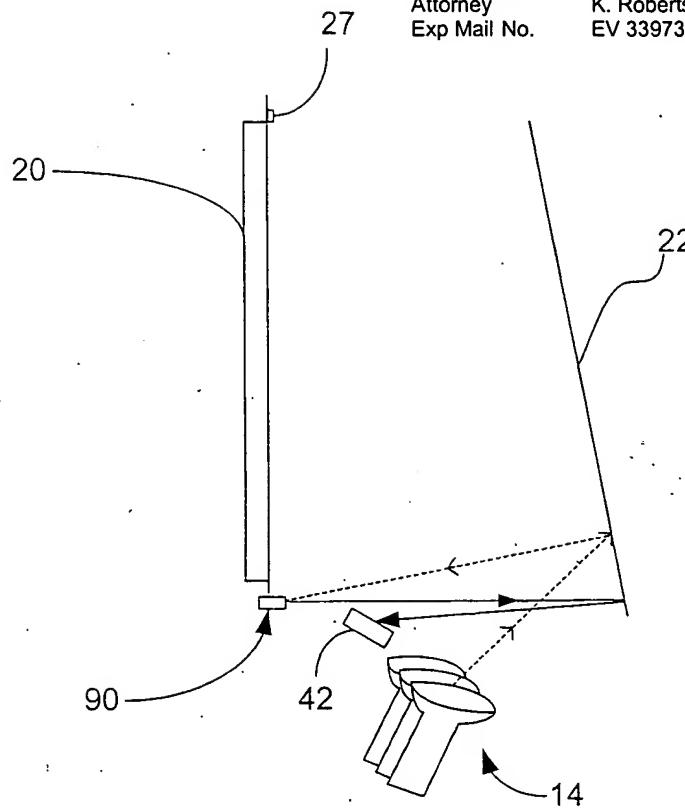


FIG. 23

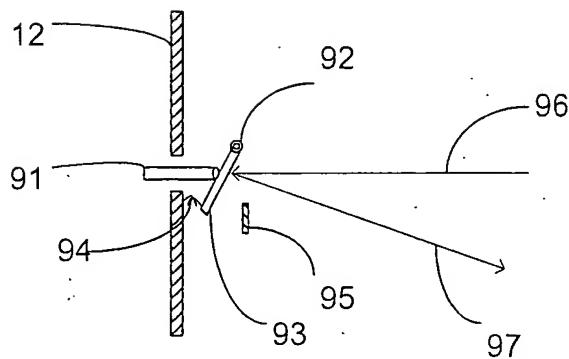


FIG. 24a

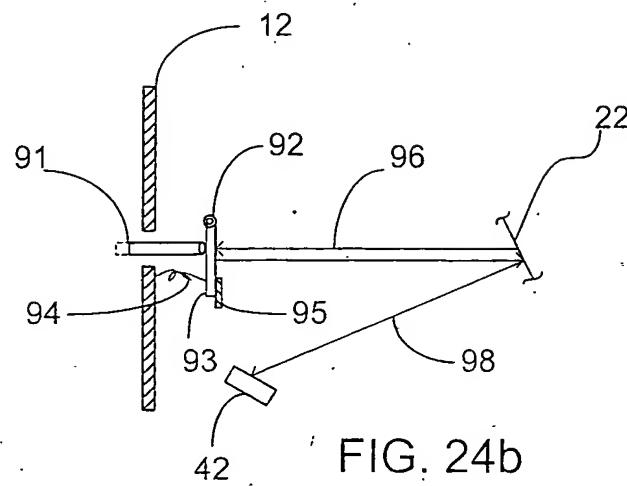


FIG. 24b

FIG. 25

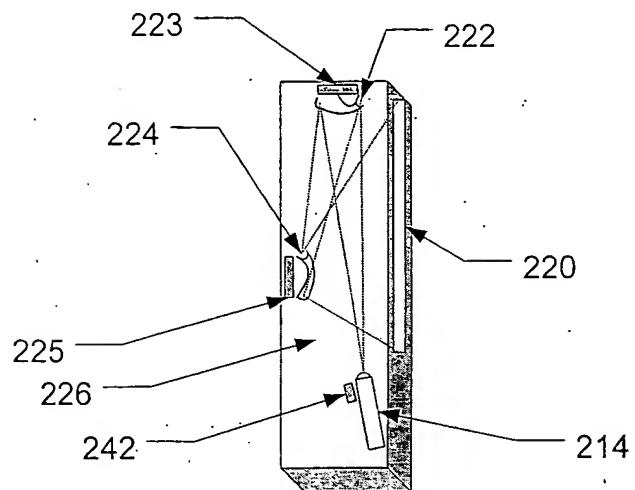


FIG. 26

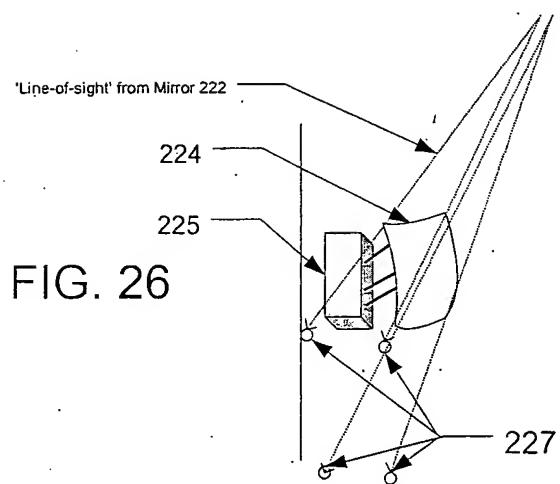


FIG. 27

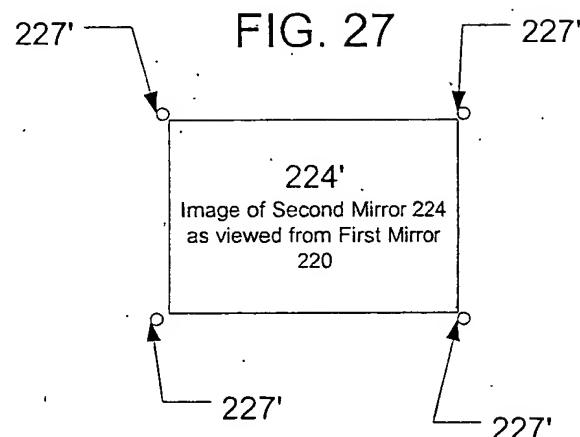
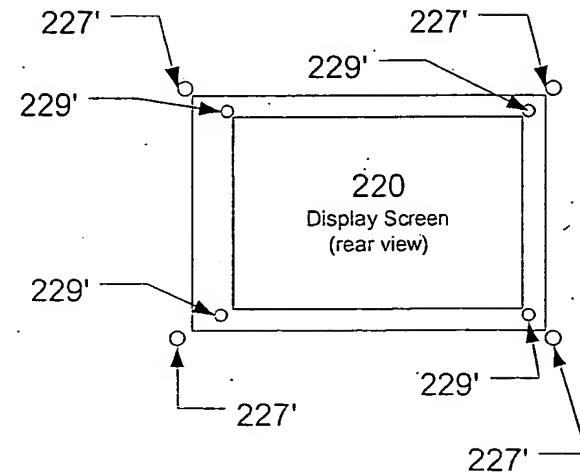
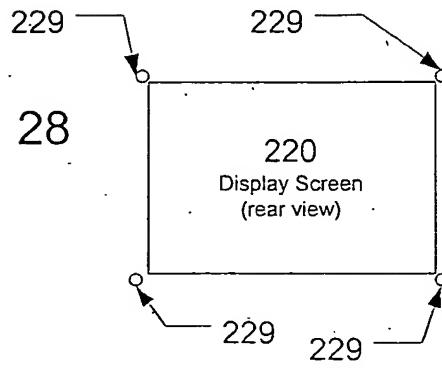


FIG. 28



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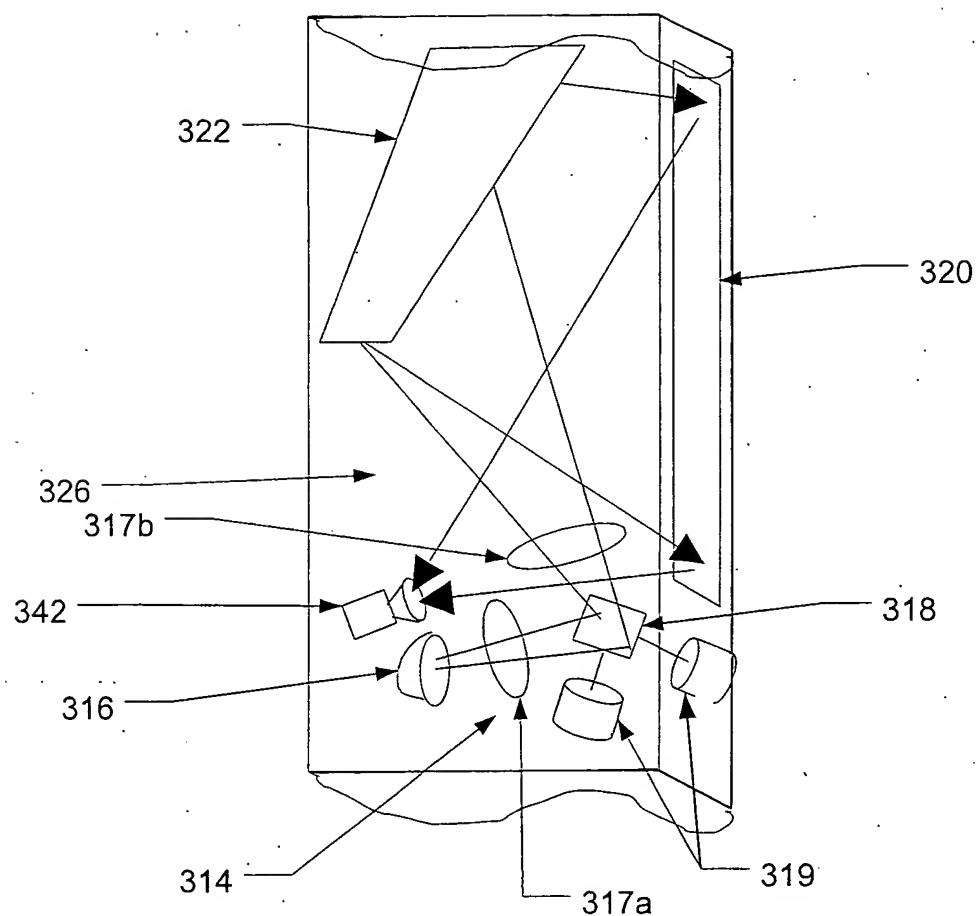


FIG. 30